141852

FAA-00-7479-281

Airport Familiarization

I. **Area Around Airport (Outside Fence)**

- **A. Highway 80** is located approximately 1500 ft. South of the *Runway*.
- **B.** A **Barn** is approximately 1300 ft. East of the South end of the *Runway*.
- **C. Cypress Bayou** approaches the Airport from the East. It runs NorthWest approximately 200 ft. East of the *Fuel Farm* then turns North. It runs parallel to the airport fence line remaining approximately 200-450 ft. East of the fence. It then turns West 250 ft North of the fence line. It runs West then SouthWest and intersects the *Drainage Ditch*.
- **D.** A Pond is located 1000 ft. West of the *Runway* just North of *Taxiway A-3*.
- **E. Mound Cemetery** is approximately 1000 ft. West-SouthWest of the South end of the *Runway*.

II. **Access Roads**

- **A.** The **Eastern Access Road** connects *Airport Road.* and *Gate 5*.
- **B.** The **Western Access Road** runs West of the airport fence line. This road runs North from *Highway 80* to *Gate 8*. It continues North to *Gate 9*. At this point it turns West then North then East to skirt the West edge of the *Pond*. At the fence line it turns North for approximately 1500 ft. then turns East to end at *Gate 1*.

III. **Gates**

- **A. Gate 3** is just South of the *Terminal Building* and is accessed by the *parking area* adjacent to the *Terminal Building*.
- **B. Gate 1** is at the North end of the fence line. It is approximately 1200 ft. North of the end of the *Runway* and 250 ft. East of the *Runway centerline*. It is accessible by the *Western Access Road.*
- **C. Gate 9** is located South of the *Pond* at approximately mid-field and 750 ft. West of the *Runway centerline*. It is accessible by the *Western Access Road.*
- **D. Gate 8** is 1000 ft. North of the South end of the *Runway*. It is 750 ft. West of the *Runway centerline*. It is accessible by the *Western Access Road.*
- **E. Gate 7** is at the South end of the fence line approximately 1200 ft. South of the South end of the *Runway* and 750 ft. West of the *Runway centerline*. It is accessed by *Highway 80*.
- **F. Gate 5** is located 750 ft. East of the South end of the *Runway*. It is reached via the *Eastern Access Road.*

IV. **Buildings and Grounds**

- **A. Structures**
  1. The **Terminal Building** is located to the East of the Runway at about mid-field.
  2. The **Airport Managers Mobile Home** is immediately North of the *Terminal Building*.

3. The **Light Vault** (this contains the shut-off for airport power) is a gray cinder block building just East of the *Mobile Home* and North of the *Terminal Building*.
4. There are 4 **Large Hangars** North of the *Mobile Home*.
5. The **Airport Fuel Farm** is located at the North end of *VTR Airport Road*. It contains 1 12,000 gal. above ground tank for 100 LL and 1 12,000 gal. above ground tank for Jet A. The emergency shut off switch for the *Fuel Farm* is located on a large pole immediately South of the *Fuel Farm*.
6. The **Localizer Building** is 100 ft. E of the *Localizer Antenna*.
7. The **Localizer Antenna** is 1000 ft. North of the North end of the *Runway*.
8. The **Wind Sock** is located approximately 2500 ft. West of the *Runway* centerline just North of the midpoint.
9. The **ASOS** is located approximately 375 ft. West and 1000 ft. North of the South end of the *Runway*.
10. There is one row of 8 **T-Hangers** South of the *Terminal Building*.
11. The **Rotating Beacon** is located at the NorthEast end of the *T-Hangers*.
12. There are 2 **Fire Hydrants**. One *Hydrant* is located just East of the *Mobile Home*. The 2nd *Hydrant* is 40 ft. West of the *Fuel Farm*.

B. Paved Areas

1. The **Apron (or Ramp)** is immediately West of the *Terminal Building* and *Hangers*. It stretches for approximately 1300 ft. North-South and varies in width form 50 ft. to 100 ft. It is 500 ft. from the *Runway centerline* at its closest. It is made of asphalt.
2. There are 2 **Taxiways** to the East of the *Runway*. *A-4* is 1500 ft. from the North end. It is 500 ft. long and 50 ft. wide. *A-3* is 2500 ft. from the South end. It is 500 ft. long and 50 ft. wide. Both *Taxiways* are made of asphalt.
3. The **Runway** is 5000 ft. long and 100 ft. wide. It runs North-South and is made of asphalt.

C. Landscaping

1. The **Taxiway Safety Areas** extend 50 ft. to either side of the *Taxiways*.
2. The **Runway Safety Area** extends 600 ft. at each end of the *Runway* and 150 ft. form the *centerline* on each side.
3. There are 2 **Ditches** that run parallel to the *Runway*. One is approximately 300 ft. West and one is 300 ft. East of the *Runway*. These ditches extend well beyond the ends of the *Runway*.
4. There are 3 other **Ditches** on the airport grounds. One runs East from the *Eastern parallel ditch*. It begins 2000 ft. form the South end of the *Runway*. It runs East under the fence line then turns North to run under *VTR Airport Road*. It intersects *Cypress Bayou* North of the

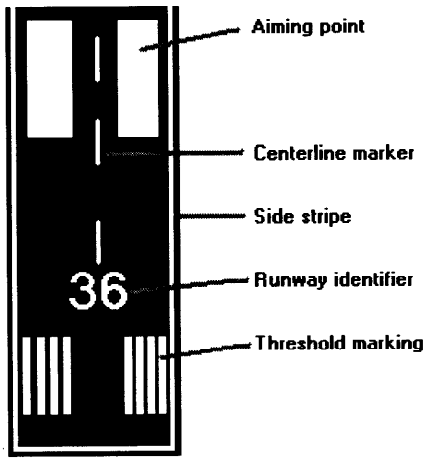
Road. A ditch runs E from the *East parallel ditch* to *Cypress Bayou* North of the *Hangers*. It is 1000 ft. South of the North end of the *Runway* and is approximately 400 ft. long. Another *ditch* runs West from the *Western parallel ditch*. It begins 2400 ft. from the South end of the *Runway* and runs West under the fence. It runs under the *West access road* and then turns NorthWest to intercept *Cypress Bayou*.

D. Lighting

1. Runway lights
    a. The edge lights are white, turning amber for the last 2000 ft.
    b. The end lights are red facing the runway and green facing away from the runway.
2. Taxiway lights
    a. The edge lights are blue.
3. The **PAPI (Precision Approach Path Indicator)** is a set of lights near the end of a runway used by a pilot to determine the proper glide path for landing.

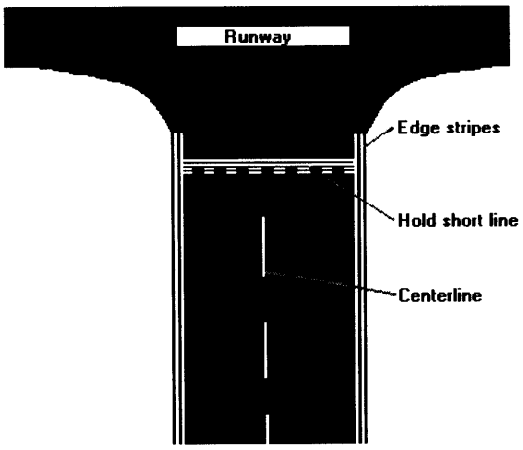
E. Markings

1. **Runway** markings are always *white.*
    a. The centerline is a dashed line.
    b. The side stripes are solid.
    c. Threshold markings are a set of parallel lines to mark the ends of the runway.
    d. The runway designator is a large, 2 digit number that identify the runway based on the nearest tenth degree of the magnetic heading of an aircraft approaching for landing. (i.e. Runway 36—aircraft is flying 360° for landing)
    e. The aiming point or 1000 ft. marker is a large rectangle on either side of the runway 1000 ft. from the end and is used as a reference point for landing aircraft.



1. **Taxiway** markings are always *yellow.*
    a. The centerline is dashed.
    b. The edge stripes are a solid double line.
    c. The hold short line is a double dashed and a double solid line perpendicular to the taxiway. Always stop and check runway for traffic and make a radio call before proceeding.

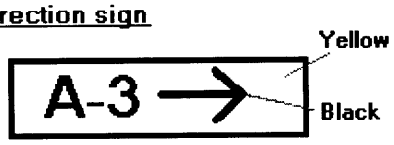
All markings are yellow



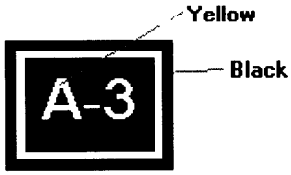
B. Signs

1. **Runway**
    a. Direction signs provide guidance to the taxiways. They are yellow with black inscription.
2. **Taxiway**
    a. Taxiway identifiers give the name of the taxiway. They are black with yellow inscription.
    b. The hold position sign serves the same purpose as the hold short line. It is red with white inscription.

Direction sign



Taxiway identifier



Hold position sign

V. Definitions

A. The **Apron** or **Ramp** is an area designated for aircraft parking, loading and unloading, maintenance, and fueling.

B. An **ASOS** (**A**utomated **S**urface **O**bservation **S**ystem) is an automated system that provides meteorological information by radio.

C. The **Localizer** is part of an ILS (Instrument Landing System) that transmits signal to a receiver in an aircraft to provide the pilot with course guidance during landing.

D. The **Safety Area** is a cleared area around the runway or taxiway that is free of ruts, ditches, or other abnormalities, drained, and free of non-essential objects. It is capable (under dry conditions) of supporting aircraft and vehicles. Some essential objects, such as runway lights, will be located in this area but are break away.

E. A **Taxiway** is used by aircraft to move from the apron to the runway.

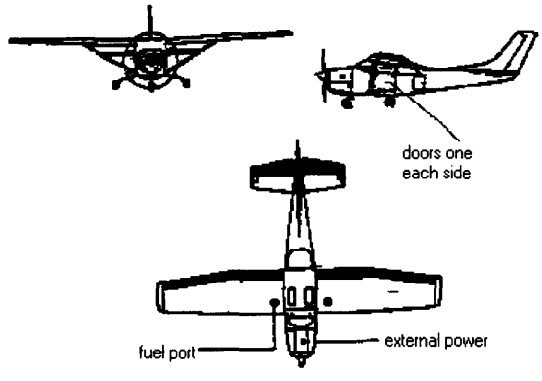
AIRCRAFT FAMILIARIZATION

I. TYPES OF AIRCRAFT

A. SINGLE ENGINE HIGH WING

(CESSNA 172)

1. PISTON ENGINE
2. 100 LL FUEL
3. FUEL TANKS IN WINGS
4. TOTAL CAPACITY OF 88 GAL.
5. SEATS 4
6. 2 DOORS – ONE EACH SIDE UNDER WINGS



B. SINGLE ENGINE LOW WING (PIPER SARATOGA)

1. PISTON ENGINE
2. 100 LL FUEL
3. FUEL TANKS IN WINGS
4. TOTAL CAPACITY OF 85GAL.
5. SEATS 6
6. 2 DOORS – ONE EACH SIDE (RIGHT SIDE AT FRONT, LEFT SIDE OVER REAR OF WING)